

I. Listing of Claims

1 - 17. (Cancelled).

18. (Withdrawn-Currently Amended) A process for producing a shaped body as claimed in claim 133, which comprises the steps of mixing at least one resistor component with at least one CA₆ elasticizer component, admixing the mixture with a binder, mixing the components to form a shapeable composition, subsequently shaping the composition to produce shaped bodies, drying the shaped bodies, and then firing the shaped bodies at high temperatures to sinter them.

19. (Withdrawn) The process as claimed in claim 18, wherein lignin sulfonate is used as the binder.

20. (Withdrawn) The process as claimed in claim 15 wherein the resistor component used has a maximum particle size of 4 mm and a particle size distribution corresponding to a Fuller curve.

21. (Withdrawn) The process as claimed in claim 18, wherein the elasticizer component has a particle size range from 0.5 to 4 mm.

22. (Withdrawn) The process as claimed in claim 18, wherein the drying step is carried out at temperatures of from 100 to 120°C.

23. (Withdrawn) The process as claimed in claim 18, wherein the sintering step is

carried out at temperatures of from 1400 to 1700°C.

24. (Withdrawn) The process as claimed in claim 18, wherein the sintering step is carried out at temperatures of from 1550 to 1650°C.

25. (Canceled)

26. (Withdrawn) The process as claimed in claim 18, wherein at least one pre-synthesized elasticizer component is used.

27. (Withdrawn) The process as claimed in claim 18, wherein a granulated mixture for the elasticizer component obtained by mixing raw materials is mixed with the resistor component and the elasticizer component is generated during firing.

28. (Withdrawn) The process as claimed in claim 18, wherein the firing step is carried out so that microcrack formation between the resistor matrix and the elasticizer component occurs.

29. (Withdrawn) The process of shaped bodies as claimed in claim 18, further comprising using the shaped body in a masonry lining of a rotary tube furnace.

30. (Withdrawn) The process as claimed in claim 29, wherein the shaped bodies are located in the sintering zone of the rotary tube furnace.

31. (Withdrawn) The process as claimed in claim 29, wherein the shaped bodies are located in the lower transition zone of the rotary tube furnace.

32. (Withdrawn) The process as claimed in claim 29, wherein the shaped bodies are located in a rotary tube furnace for cement.

33. (Previously Presented) A fired, basic, refractory, industrial ceramic shaped body comprising

at least one basic resistor component; and

an elasticizer component;

wherein the elasticizer component is a calcium aluminate having a $\text{CaO}/\text{Al}_2\text{O}_3$ ratio of from 0.14 to 0.2;

wherein the shaped body comprises from 60 to 99.5% by mass of the resistor component and from 0.5 to 40% by mass of the elasticizer component.

34. (Currently Amended) The shaped body of claim 33, wherein the elasticizer component has the oxide formula $\text{CaO} \cdot 6\text{Al}_2\text{O}_3$.

35. (Currently Amended) The shaped body of claim 33 or 34, wherein the elasticizer component contains up to 10% by mass of secondary phases.

36. (Currently Amended) The shaped body of claim ~~[[33]]~~ 35, wherein the secondary phases is one or more selected from the group consisting of SiO_2 , TiO_2 , Fe_2O_3 , and MgO .

37. (Previously Presented) The shaped body of claim 33, wherein the resistor component contains one or more selected from the group consisting of sintered MgO, fused magnesia, sintered dolomite, and fused dolomite.
38. (New) The shaped body as claimed in claim 33 or 34, wherein up to 58% by mass of Al_2O_3 is replaced by Fe_2O_3 in the elasticizer component.
39. (New) The shaped body as claimed in claim 33 or 34, wherein Ca^{2+} has been partly replaced by Ba^{2+} or Sr^{2+} in the elasticizer component.
40. (New) The shaped body as claimed in claim 33 or 34, wherein at least one further elasticizer is present in addition to the elasticizer component.
41. (New) The shaped body as claimed in claim 33, wherein the body having an overall density of from 2.5 to 3.2 g/cm^3 .
42. (New) The shaped body as claimed in claim 33, wherein the body having a porosity of from 12 to 25% by volume.
43. (New) The shaped body as claimed in claim 42, wherein the body having a porosity of from 14 to 23% by volume.

44. (New) The shaped body as claimed in claim 33 or 34, wherein the body having a cold compressive strength above 35 MPa, and a cold flexural strength above 2 MPa.

45. (New) The shaped body as claimed in claim 44, wherein the body having a cold compressive strength above 45 MPa, and a cold flexural strength above 2 MPa.

46. (New) The shaped body as claimed in claim 33 or 34, wherein the body having a modulus of elasticity of from 14 to 35 GPa, and a shear modulus of from 6 to 15 GPa.

47. (New) The shaped body as claimed in claim 46, wherein the body having a modulus of elasticity of from 15 to 32 GPa, and a shear modulus of from 7 to 14 GPa.

48. (New) The shaped body as claimed in claim 33 or 34, wherein the body having a thermal shock resistance of greater than 80.